

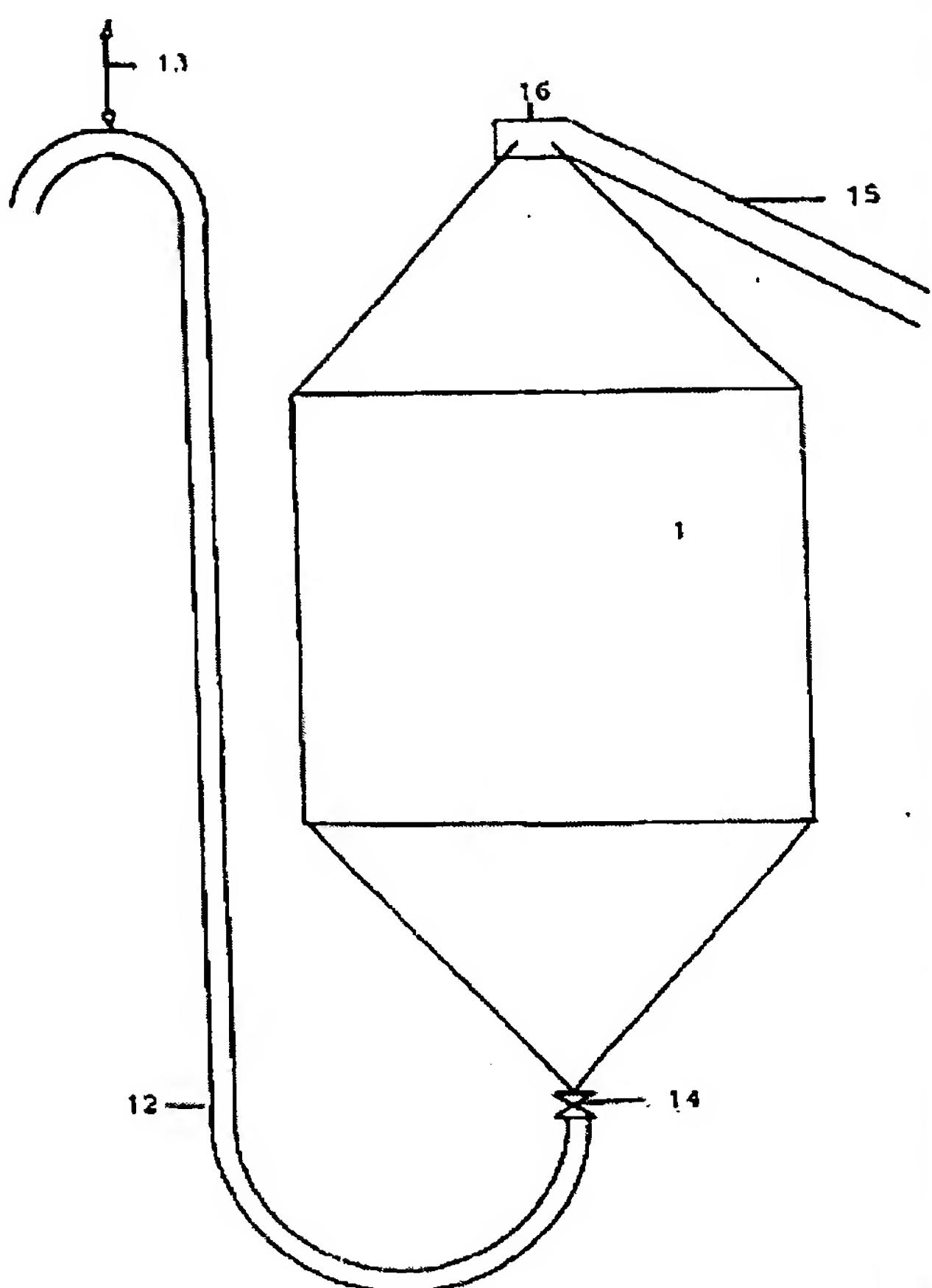
**Plant separating mixture suspended in fluid on density basis, includes baffles directing central inlet flow uniformly to the sides, with plant controls optimizing settlement conditions for increased flow rate and separation efficiency**

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**Abstract of DE19964175**

A device controls the lower exit line (12) extraction flow rate. The flow contains heavier fractions. Preferred features: The unit controlling extraction is e.g. a pump. This operates with volumetric flow rate variation, rather than by altering the cross section for flow. The line is a flexible hose which can be raised and lowered to control output, without varying cross section. Baffles (4, 5) with horizontal arrangement, include a conical section (6, 7), directing flow out to the sides. At the top of the tank (1) there is an overflow with upper outlet line. Cross section of the overflow can be varied. Flow rates into the tank and out at the base, are monitored. Bottom extraction is controlled in terms of the influx. Pressure pulses, especially compressed air pulses are introduced into the bottom line. A line transferring the mixture made in the stirrer tank, comes from its side, into the separation tank. Level in the stirrer is maintained under control; it is operated at constant speed. Between the baffles, there are several vertical flow-calming baffles.



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